

What We claimed is:

1. A method for decomposing organic substances wherein a liquefied organic substance is applied, from an upper side, to photocatalyst powder, and the photocatalyst powder is heated to between 50 and 400°C.
2. A method for decomposing organic substances as set forth in Claim 1, wherein decomposing organic substances is performed with electromagnetic waves being applied to photocatalyst particles.
3. A method for decomposing organic substances as set forth in Claim 1 or 2, wherein the liquefied organic substance is a toxic content, such as PCB or the like.
4. A method for decomposing organic substances wherein a gaseous organic substance is caused to contact with photocatalyst powder, and the photocatalyst powder is heated to between 50 and 400°C.
5. A method for decomposing organic substances as set forth in Claim 4, wherein decomposing organic substances is performed with electromagnetic waves being applied to photocatalyst particles.
6. A method for decomposing organic substances as set forth in Claim 4 or 5, wherein the gaseous organic substance is a content having bad odor.
7. A method for decomposing organic substances wherein an

organic substance to be decomposed is introduced, in a state of gas, liquid or solid, into a suspension of finely divided particles of photocatalyst and is heated in a range between 50 and 100°C.

8. A method for decomposing organic substances wherein a liquefied or solid organic substance is gasified by a first decomposing device and the gas is further decomposed or oxidized by a second decomposing device, the first decomposing device comprising an air introduction means, a heating means and a stirring means and being filled with finely divided particles, and the second decomposing device comprising an applying means for electromagnetic waves and having inside photocatalyst.

9. A method for decomposing organic substances wherein a liquefied or solid organic substance is gasified by a first decomposing device and the gas is further decomposed or oxidized by a second decomposing device, the first decomposing device comprising an air introduction means, a heating means and a stirring means and being filled with finely divided particles, and the second decomposing device comprising a heating means and having inside particles.